

In the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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1. (Currently Amended) A method for controlling fuel pressure for a fuel injected engine, comprising the steps of:

providing a fuel pump with an inlet port which is connectable in fluid communication with a fuel supply and an outlet port which is connectable in fluid communication with a fuel injector;

measuring a fuel pressure at a location which is in fluid communication with said outlet port; and

controlling an operating speed of said fuel pump as a function of said fuel pressure measured at said location which is in fluid communication with said outlet ~~port~~ port;

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measuring airflow into said fuel injected engine;

calculating a desired fuel flow as a function of a selected air/fuel ratio; and

determining said operating speed of said fuel pump as a function of said desired fuel flow.

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2. (Canceled)

3. (Original) The method of claim 1, wherein:

said controlling step comprises the step of transmitting a pulse width modulated signal to said fuel pump.

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4. (Currently Amended) The method of ~~claim 1~~claim 3, wherein:

a duty cycle of said pulse width modulated signal determines said operating speed of said fuel pump.

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5. (Currently Amended) A fuel pressure control system for a fuel injected engine, comprising:

a fuel pump with an inlet port which is connectable in fluid communication with a fuel supply and an outlet port which is connectable in fluid communication with a fuel injector;

a fuel pressure sensor disposed at a location which is in fluid communication with said outlet port;

5 a controller connected in signal communication with said fuel pressure sensor and in signal communication with said fuel pump, said controller being configured to provide a signal to control an operating speed of said fuel pump as a function of a signal received from said pressure sensor; and sensor.

10 an airflow sensor for measuring a rate of air flowing into said engine, said controller being configured to determine a desired fuel flow rate as a function of said rate of air flowing into said engine and a selected air/fuel ratio, said operating speed of said fuel pump being determined as a function of said desired fuel flow rate.

6. (Canceled)

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7. (Currently Amended) The system of ~~claim 6~~ claim 5, wherein:

said controller is configured to transmit a pulse width modulated signal to said fuel pump which is representative of said operating speed.

20 8. (Original) The system of claim 7, wherein:

a duty cycle of said pulse width modulated signal determines said operating speed of said fuel pump.

9. (Canceled)

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10. (Canceled)

11. (Canceled)

30 12. (Canceled)

Please add the following two new claims:

13. (New) A method for controlling fuel pressure for a fuel injected engine, comprising the steps of:

5 providing a fuel pump with an inlet port which is connectable in fluid communication with a fuel supply and an outlet port which is connectable in fluid communication with a fuel injector;

measuring a fuel pressure at a location which is in fluid communication with said outlet port; and

10 controlling an operating speed of said fuel pump as a function of said fuel pressure measured at said location which is in fluid communication with said outlet port, said controlling step comprising the step of transmitting a pulse width modulated signal to said fuel pump, a duty cycle of said pulse width modulated signal determining said operating speed of said fuel pump.

15 14. (New) The method of claim 13, further comprising:

measuring airflow into said fuel injected engine;

calculating a desired fuel flow as a function of a selected air/fuel ratio; and

determining said operating speed of said fuel pump as a function of said desired fuel flow.